

```
int wrt_transfer(device *dev, unsigned char *buf,
                unsigned int len, unsigned int cmd) {

    unsigned int copied = 0;

    while (copied < len) {
        while (dev->status == BUSY) // busy-wait polling
            ;
        dev->data = *buf;
        dev->command = cmd;
        buf++;
        copied++;
    }

    return 0;
}
```